Emissions Unit - General **Form EU0**

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION		
Company Name: Formation Capital Corporation, USA	Facility Name: Idaho Cobalt Project	Facility ID No:
Brief Project Description:	Cobalt Mine and Mill	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION	
1. Emissions Unit (EU) Name:	EMERGENCY GENERATOR
2. EU ID Number:	EP101
3. EU Type:	☒ New Source ☐ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #: Date Issued:
4. Manufacturer:	ONE OF THREE, EACH MEET EPA TIER II REQUIREMENTS.
5. Model:	SEE SPECS IN APPENDIX D OF THE ICP PERMIT APPLIC.
6. Maximum Capacity:	800 KW
7. Date of Construction:	SPRING 2009
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☒ No ☐ Yes If Yes, complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:	N/A					
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:						
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?	☐ Yes ☐ No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☐ Yes ☐ No (If Yes, attach and label manufacturer guarantee)					
	Pollutant Controlled					
Control Efficiency	PM	PM10	SO_2	NOx	VOC	CO
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency. Manufacturer of each option guarantees their generator meets EPA Tier II requirements. Generator qualifies for exemption under IDAPA 58.01.01.220						

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)	
18. Actual Operation	28 HRS/YR
19. Maximum Operation	< 500 HRS/YR

REQUESTED LIMITS	
20. Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, check all that apply below)
☐ Operation Hour Limit(s):	< 500 HRS/YR
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	WILL ONLY BE USED AS EMERGENCY ELECTRIC SERVICE IF PRIME FAILS

Emissions Units - Industrial Engine Information **Form EU1**

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Revision 3
03/27/07

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IDENTIFICATION		
Company Name: Formation Capital Corp., USA	Facility Name: Idaho Cobalt Project	Facility ID No:
Brief Project Description:	Cobalt Mine and Mill	

EXEMPTION

Please refer to IDAPA 58.01.01.222.01.c and d for a list of internal combustion engines that are exempt from the Permit to Construct requirements.

ENGINE (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS

1. Type of Unit: ☒ New Unit ☐ Unpermitted Existing Unit ☐ Modification to a Unit with Permit #: Date Issued:

2. Use of Engine: ☐ Normal Operation ☒ Emergency ☐ Back-up ☐ Other:

3. Engine ID Number:	4. Rated Power:	
EP101	☐ Brake Horsepower(bhp)	☒ 800 (maximum) Kilowatts(kW)
5. Construction Date: Spring 2009	6. Manufacturer: one of 3, each meet EPA Tier II	7. Model: requirements. See specs in Appendix D
8. Date of Modification (if applicable):	9. Serial Number (if available):	10. Control Device (if any):

FUEL DESCRIPTION AND SPECIFICATIONS

11. Fuel Type	☒ Diesel Fuel (#) (gal/hr)	☐ Gasoline Fuel (gal/hr)	☐ Natural Gas (cf/hr)	☐ Other Fuels (unit:)
12. Full Load Consumption Rate	<60			
13. Actual Consumption Rate	<3000 gal/yr			
14. Sulfur Content wt%	<0.5%	N/A	N/A	

OPERATING LIMITS & SCHEDULE

15. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.):
<500 hrs/yr

16. Operating Schedule (hours/day, months/year, etc.):
Emergency and testing only (28 hrs/yr)

Emissions Units - Nonmetallic Mineral Processing Plant **Form EU2**

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

This form requests information about equipment at a nonmetallic mineral processing plant, as defined in 40 CFR 60.671, that generates fugitive emissions only.

In addition, Form EU0 and appropriate control equipment forms should be used for each stack emission point from the same plant.

IDENTIFICATION		
Company Name: Formation Capital Corporation, U.S.	Facility Name: Idaho Cobalt Project	Facility ID No:
Brief Project Description:	Cobalt mine and mill.	

EQUIPMENT (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS					
1. Equipment Description	2. Construction Date	3. Serial Number	4. Equipment ID Number (company's)	5. Rated Capacity	6. Emission Control Type
Pri. Crusher Feed Bin	Spring 2009		EP1201	100 tons	
Jaw Crusher	Spring 2009		Vented via EP201	83.3 tons/hr	EP201 Baghouse
Cone Crusher	Spring 2009		Vented via EP201	83.3 tons/hr	EP201 Baghouse
Screen	Spring 2009		Vented via EP201	6x20 (120 ft2)	EP201 Baghouse
Tram Bin Hopper	Spring 2009		EP1101	100 tons	

OPERATING SCHEDULE (hours/day, or hours/week, or months/year, or other)	
7. Actual Operation	24 hrs per day, 7 days per week, 50 weeks per year
8. Maximum Operation	24 hrs per day, 7 days per week, 52 weeks per year

DEQ AIR QUALITY PROGRAM
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PERMIT TO CONSTRUCT APPLICATION

Revision 3
04/02/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION		
Company Name: Formation Capital Corporation	**Facility Name:** Idaho Cobalt Project	**Facility ID No.:**
Brief Project Description: Cobalt Mine and Mill		

IDENTIFICATION				BAGHOUSE			BAGS			
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
Emission Unit	EU ID No.	CE ID No.	Stack ID No.	Baghouse Manufacturer	Baghouse Model No.	Type	Type	Size (Dia x Ht)	No. of Bags	Air to Cloth
Ore Crusher/Screens	EP 201	EP 201	EP 201	CPE Filters	120-TNFD-420-C	Pulse Jet	Polyester	5.75" x 120'	420	4.15
Fine Ore Storage	EP 1401	EP 1401	EP 1401	CPE Filters	72-BF-016-C	Pulse Jet	Polyester	5.75" x 74	16	4.73
Cement Silo	EP 1501	EP 1501	EP 1501	Ultra Industries	BB-25-58-IIG	Pulse Jet	Polyester	6" x 58"	25	3.61

C.P.E.
FILTERS
INC.

June 26, 2008

Mr. John Kelly
Samuel Engineering, Inc.
8450 E. Crescent Parkway
Suite 200
Greenwood Village, CO 80111

Subject: Emissions Warranty
Samuel P. O. No. 7031-01-P-M-113
Project 1200-BN-203; Cobalt Concentrator Project
CPE Filters Job No. 6799

Mr. Kelly:

As you requested in your email to our representative, Mr. Key Irwin of TechnaFlo in your email dated June 25, 2008, CPE Filters is pleased to provide you with the following Emissions Warranty:

C. P. E. Filters, Inc. warrants that the particulate matter concentration in the effluent gas will not exceed an average of 0.02 grains per actual cubic foot. The guarantee is based on the operating parameters as listed below, that the dust particles are two (2) microns and larger in diameter, and that the equipment is being properly installed and maintained according to the standard C. P. E. Filters' instructions. Effluent testing, if required, will be conducted generally in accordance with the procedures as outlined in Title 40, Part 60 of the Code of Federal Regulations. The effluent tests shall not take into consideration condensables."

Dust Collector Operating Parameters for CPEF Job No. 6799

* *Information to be supplied by Purchaser*

Model No.	72-BF-016-C	Air-to-Cloth Ratio	4.73:1 acfm/ft^2
Gas Volume	700 acfm	Operating Pressure	-6" w. g.
Cloth Area	148 ft^2	Bag Material	16 oz. Singed Polyester Felt
Quantity of Bags	16	Gas Temperature	Ambient
Bag Dimensions	5-7/8" Dia. x 74" L	Dust Loading	*
Dust Material	Cobalt Fines	End Use	Silo Bin Vent Filter
Dust Bulk Density	125 – 140 lb/ft^3		

5 Earl Court, Suite 130, Woodridge, IL 60517 • 630.771.9993 • Fax: 630.771.9994
Toll Free: 866.771.CPEF (2733)

Dust Collector Operating Parameters for CPEF Quotation No. SF-13710 Rev. 03

* *Information to be supplied by Purchaser*

Model No.	120-TNFD-420-C	Air-to-Cloth Ratio	4.15:1 acfm/ft^2
Gas Volume	27,000 acfm	Operating Pressure	-14" w. g.
Cloth Area	6,510 ft^2	Bag Material	16 oz. Singed Polyester Felt
Quantity of Bags	420	Gas Temperature	<250°F
Bag Dimensions	5-7/8" Dia. x 120" L	Dust Loading	10 grains/dscf
Dust Material	Cobalt Fines	End Use	*
Dust Bulk Density	140 lb/ft^3		

We trust that the above is to your satisfaction. If you have any questions or comments, please do not hesitate to contact this office.

Sincerely,
C. P. E. FILTERS, INC.

Scott Franco
Regional Sales Manager
sfranco@cpef.com

SDF

cc: Mr. Key Irwin
TechnaFlo, Inc.
P. O. Box 3479
Englewood, CO 80155
Tel: 303-699-9844
Fax: 303-693-8449
kirwin@techna-flo.com

GENERAL DIMENSIONS

NO. OF BAGS	BAG LGH (IN)	FILTER AREA (SQ. FT.)	NO. OF VALVES	100 PSI COMP. AIR (SCFM)	EST. WEIGHT (LBS.)	OUTLET SIZE (IN)	A	B	C	D	E	F
BB 4	36	17	2	2.0	262	2"ø	1'-4"	3'-10"	5'-2"	18"	3 SP @ 4	20
	58	29		2.2	333	THRU	1'-4"	5'-8"	7'-0"			
	84	43		2.7	405	3"ø	1'-4"	7'-10"	9'-2"			
BB 9	36	39	3	4.0	399	3"ø	2'-0"	3'-10"	5'-2"	26"	5 SP @ 4	28
	58	65		4.5	493	THRU	2'-0"	5'-8"	7'-0"			
	84	95		5.0	575	6"ø	2'-0"	7'-10"	9'-2"			
BB 16	58	115	4	5.9	675	5"ø	2'-8"	5'-8"	7'-0"	34"	7 SP @ 4	36
	84	170		6.2	785	THRU	2'-8"	7'-10"	9'-2"			
	100	203		6.4	887	8"ø	2'-8"	9'-2"	10'-6"			
BB 25	58	180	5	6.8	879	7"ø	3'-4"	5'-8"	7'-0"	42"	9 SP @ 4	44
	84	265		7.5	1017	THRU	3'-4"	7'-10"	9'-2"			
	100	317		7.8	1289	11"ø	3'-4"	9'-2"	126"			
BB 36	58	259	6	8.2	1242	9"ø	4'-0"	5'-8"	7'-0"	50"	11 SP @ 4	52
	84	382		8.4	1444	THRU	4'-0"	7'-10"	9'-2"			
	100	457		8.8	1600	12"ø	4'-0"	9'-2"	10'-6"			

CUSTOMER DATA

- AIR VOLUME
- FILTER AREA
- AIR/CLOTH RATIO
- PRODUCT
- TEMPERATURE
- DUST LOADING

CONSTRUCTION

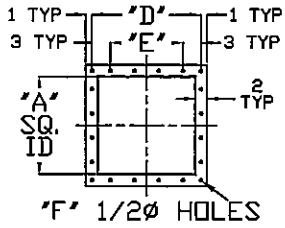
- MS (STANDARD)
- SS (DUST CONTACT)
- SS (GAS CONTACT)
- OTHER

FILTER BAGS

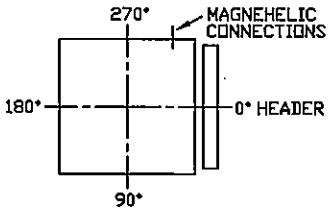
- STANDARD 16 OZ. PE
- OTHER

OPTIONS & ORIENTATIONS

- OUTLET
- BIRDSCREEN
- C.A.P. ACCESS
- D.A.P. ACCESS
- PLATFORM
- LADDER
- FAN
- INTERIOR PAINT
- SUPPORT GRID
- EXPLOSION DOOR
- INSULATION
- SPRINKLER
- SOLENOID BOX
- PULSE ON DEMAND
- PRESSURE SWITCH
- OTHER



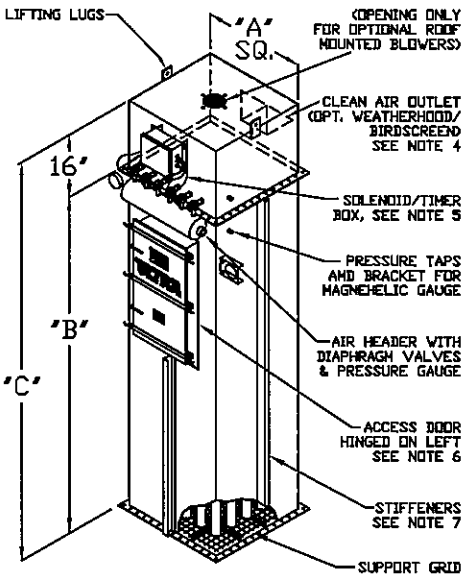
COLLECTOR BASE FLANGE
FORMED 2 X 12 GA.



ORIENTATION VIEW
FOR LOCATING COMPONENTS ONLY

SHOP NOTES

1) DESIGN PRESSURE UP TO +/- 20" W.G.
2) SURFACE FINISH: ALL EXTERIOR MS SURFACES
FINISH: ONE (1) COAT SHERWIN WILLIAMS METALASTIC DTH ACRYLIC MODIFIED ENAMEL (SWB55Z600SHG) ULTRA GRAY @ 4 MILS D.F.T. MIN.
3) AIR HEADER IS ALWAYS LOCATED AT 0 DEGREES.
4) CLEAN AIR OUTLET CANNOT BE AT 0 DEGREES.
5) A NEMA 4 SOLENOID/TIMER BOX ASSEMBLY IS SUPPLIED. THE SOLENOID VALVES ARE PREWIRED TO THEIR RESPECTIVE TIMER OUTPUT TERMINALS. THE SOLENOID PORT IS PRE-CONNECTED TO ITS RESPECTIVE DIAPHRAGM VALVE RELIEF PORT USING POLY-FLOW TUBING.
6) ALL UNITS WITH 58" & 84" FILTER BAGS WILL HAVE 20" X 36" HINGED ACCESS DOORS. ALL UNITS WITH 100" FILTER BAGS WILL HAVE 20" X 44" HINGED ACCESS DOORS. MODEL BB-9-36 WILL HAVE A 20" X 24" HINGED ACCESS DOOR. MODEL BB-4-36 WILL A 16" X 24" BOLTED ACCESS DOOR. MODEL BB-4-58 WILL HAVE HAVE A 16" X 36" BOLTED ACCESS DOOR.
7) STIFFENERS WILL BE USED ON (BB-36 & BB-25-100) UNITS ONLY.
8) GENERAL ARRANGEMENT IS TO BE USED FOR REFERENCE ONLY AND NOT FOR CONSTRUCTION UNLESS CERTIFIED BY CUSTOMER.



REV.	DESCRIPTION	DATE BY

UNITS
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.

TOLERANCES
FRACTIONAL ± 1/8" ANGULAR ± .5°

ULTRA INDUSTRIES, INC.
1908 DEKOVEN AVE. RACINE, WISCONSIN 53403
PHONE: 262/633-5070 FAX: 262/633-5102

FOR SPARE PARTS, CALL: 1-800-35ULTRA

SCALE:	N.T.S.	SERIAL NO.:	ARRANGEMENT II	DRAWN BY:	MLD
DATE:	1-2000			APPROVED BY:	

GENERAL ARRANGEMENT

MODEL	DRAWING NUMBER	REV.
BB-4 -- BB-36 COLLECTORS BOTTOM BAG REMOVAL	BB4-36 II	0

Industrial
Air Filtration
Equipment

ULTRA INDUSTRIES, INC.

2300 South Street
Racine, WI 53404
(262) 633-5070
FAX: (262) 633-5102

OUR WARRANTY FOR EMISSIONS IS AS FOLLOWS:

ULTRA INDUSTRIES, INC. warrants that the particulate matter concentration in the effluent gas will not exceed an average of 0.02 grains per actual cubic foot, when the inlet particulate concentration is 20 grains (or less) per cubic foot. The warranty is based on particles over 2 microns in diameter, and on the equipment being properly installed and maintained according to ULTRA INDUSTRIES, INC. instructions. Effluent testing, if required, will be conducted in general accordance with the procedures outlined in the power test code #27-1957 (ASME).

DEQ AIR QUALITY PROGRAM
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PERMIT TO CONSTRUCT APPLICATION
Revision 3
4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Formation Capital Corp, USA.
Facility Name:	Idaho Cobalt Project
Facility ID No.:	
Brief Project Description:	Cobalt mine and mill.

SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - POINT SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_x		CO		VOC		Lead	
Emissions units	**Stack ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Point Source(s)													
Emergency Generator	EP101	0.28	0.07	4.53	1.13	12.43	3.11	0.01	0.36	0.07	0.02		
Crushing Dust Collector	EP201	0.12	0.21										
Total		0.41	0.28	4.53	1.13	12.43	3.11	0.01	0.36	0.07	0.02		

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 3 4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Formation Capital Corp, USA.
Facility Name:	Idaho Cobalt Project
Facility ID No.:	
Brief Project Description:	Cobalt mine and mill.

SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - POINT SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_x		CO		VOC		Lead	
Emissions units	**Stack ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Point Source(s)													

Instructions for Form EI-CP1

This form is designed to provide the permit writer and air quality modeler with a summary of the criteria pollutant emissions of each emission unit/point located at the facility. This information may be used by the IDEQ to perform an air quality analysis or to review an air quality analysis submitted with the permit application or requested by the IDEQ.

Please fill in the same company name, facility name, facility ID number, and brief project description as on form CS in the boxes provided. This is useful in case any pages of the application get separated.

1. Provide the name of all emission units at the facility. This name must match names on other submittals to IDEQ and within this application.

2. Provide the identification number for the stack which the emission unit exits.

3. Provide the emission rate in pounds per hour and tons per year for all criteria pollutants emitted by this point source. In this form, emission rates for a point source are the maximum allowable emissions for both short term (pounds per hour) and long term (tons per year). These emission rates are its permitted limits (if any). Otherwise, potential to emit should be shown. Potential to emit is defined as uncontrolled emissions at maximum design or achievable capacity (whichever is higher) and year-round continuous operation (8760 hours per year) if there are no federally enforceable permit limits on the emission point. If the emission point has or will have control equipment or some other proposed permit limitation such as hours of operation or material usage, the control efficiency or proposed permit limit(s) may be used in calculating potential to emit.

NOTE: Attach a separate sheet of paper, or electronic file, to provide additional documentation on the development of the emission rates. Documentation can include emissions factors, throughput, and example calculations.

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PERMIT TO CONSTRUCT APPLICATION
Revision 2
4/5/2007

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Company Name:	Formation Capital Corp, USA.
Facility Name:	Idaho Cobalt Project
Facility ID No.:	
Brief Project Description:	Cobalt mine and mill.

SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - FUGITIVE SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_x		CO		VOC		Lead	
Fugitive Source Name	**Fugitive ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Fugitive Source(s)													
Ore Stockpile	EP301	0.02	0.00										
1200-LD-201- Tram Bin to Coarse	EP302	0.00	0.00										
Loader grab from Coarse Ore Stoc	EP303	0.00	0.00										
Waste Rock Stockpile	EP401	0.01	0.00										
1200-LD-201- Tram Bin to Waste F	EP402	0.00	0.00										
Loader grab from Waste Rock Sto	EP403	0.01	0.03										
Loader dump Waste Rock Stockpil	EP404	0.01	0.03										
Conc bldg tailings pile	EP501	0.00	0.00										
Loader grab from Tailings Stockpil	EP502	0.00	0.00										
Loader dump Tailings to Truck	EP503	0.00	0.00										
TWSF Waste Rock truck dumping	EP601	0.00	0.00										
TWSF area management	EP602	0.28	0.20										
TWSF wind eroision	EP603	0.60	0.02										
Truck Dumps Tailings TWSF	EP604	0.00	0.00										
Roads (max of 3 scenarios)	EP901 or 902	3.82	5.74										
Loader Traffic	EP1001	0.15	0.25										
1200-BN-201 - Mined Rock to Tran	EP1101	0.00	0.00										
1200-FE-201 - Bin to Tram	EP1102	0.00	0.00										
Loader drop to Primary Crusher fe	EP1201	0.04	0.07										
1200-BN-203 - Fine Ore Bin (in)	EP1401	0.00	0.00										
1200-BN-203 - Fine Ore Bin (out) f	EP1402	0.00	0.00										
Cement Silo (in)	EP1501	0.01	0.00										
Cement Silo (out) fully enclosed	EP1502	0.00	0.00										
Underground emissions from mine	P1601 or 3001	1.56	1.67	0.57	0.55	4.82	4.69	18.98	18.48				
Load /Unload at Topsoil stockpile	EP1701	0.00	0.00										
Topsoil Stockpile	EP1702	0.29	0.01										

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Revision 2
4/5/2007

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Company Name:	Formation Capital Corp, USA.
Facility Name:	Idaho Cobalt Project
Facility ID No.:	
Brief Project Description:	Cobalt mine and mill.

SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - FUGITIVE SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_x		CO		VOC		Lead	
Fugitive Source Name	**Fugitive ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Fugitive Source(s)													
Truck Dump Crusher Ore Pile (no t	EP1301	0.00	0.00										
Mined Rock truck dump (no tram s	EP1303	0.00	0.00										
Loader grab from mined rock pile (	EP1304	0.05	0.10										
Mined Rock stockpile (no tram sce	EP1302	0.01	0.00										
Truck Dump Crusher Ore Pile (no t	EP2001	0.00	0.00										
Total		6.87	8.14	0.57	0.55	4.82	4.69	18.98	18.48				

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 2 4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Formation Capital Corp, USA.
Facility Name:	Idaho Cobalt Project
Facility ID No.:	
Brief Project Description:	Cobalt mine and mill.

SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - FUGITIVE SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Fugitive Source Name	**Fugitive ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Fugitive Source(s)													

Instructions for Form EI-CP2

This form is designed to provide the permit writer and air quality modeler with a summary of the criteria pollutant emissions of each emission unit/point located at the facility. This information may be used by the IDEQ to perform an air quality analysis or to review an air quality analysis submitted with the permit application or requested by the IDEQ.

Please fill in the same company name, facility name, facility ID number, and brief project description as on form CS in the boxes provided. This is useful in case any pages of the application get separated.

Fugitive emissions are those emissions that cannot reasonably be made to pass through a stack or vent or equivalent opening. Examples include coal piles, unpaved roads, etc. Fugitive emission sources at your plant must be included in this form.

1. Provide the name of all fugitive sources at the facility. This name must match names on other submittals to IDEQ and within this application.

2. Provide the identification number for the fugitive source. This ID number should match ID numbers on other submittals to IDEQ and within this application.

3. Provide the emission rate in pounds per hour and tons per year for all criteria pollutants emitted by this fugitive source. In this form, emission rates for a fugitive source are the maximum allowable emissions for both short term (pounds per hour) and long term (tons per year). These emission rates are its permitted limits (if any). Otherwise, potential to emit should be shown. Potential to emit is defined as uncontrolled emissions at maximum design or achievable capacity (whichever is higher) and year-round continuous operation (8760 hours per year) if there are no federally enforceable permit limits on the emission point. If the emission point has or will have control equipment or some other proposed permit limitation such as hours of operation or material usage, then, the control efficiency or proposed permit limit(s) may be used in calculating potential to emit.

NOTE: Attach a separate sheet of paper, or electronic file, to provide additional documentation on the development of the emission rates. Documentation can include emissions factors, throughput, and example calculations.

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline - 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION
Revision 3
4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Formation Capital Corp, USA.
Facility Name:	Idaho Cobalt Project
Facility ID No.:	
Brief Project Description:	Cobalt mine and mill.

SUMMARY OF EMISSIONS INCREASE (PROPOSED PTE - PREVIOUSLY MODELED PTE) - POINT SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_x		CO		VOC		Lead	
Emissions units	**Stack ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Point Source(s)													
Emergency Generator	EP101	0.28	0.07	4.53	1.13	12.43	3.11	0.01	0.36	0.07	0.02		
Crushing Dust Collector	EP201	0.12	0.21										
Total		0.41	0.28	4.53	1.13	12.43	3.11	0.01	0.36	0.07	0.02		